

Keijiro Ohshimo

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Geometrical Structures of Gas-Phase Cerium Oxide Cluster Cations after Reaction with Nitric Oxide Studied by Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2022, 126, 1204-1210.	2.5	1
2	Ion Mobility-Mass Spectrometry of Protonated Moleculesâ€•Intramolecular Proton Transfer by Bimolecular Reactionâ€•. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2022, 70, 36-42.	0.1	0
3	Structures of dibenzo-24-crown-8 complex with an NH ₄ ⁺ ion studied by cryogenic ion mobility-mass spectrometry. <i>Chemical Physics Letters</i> , 2022, 794, 139510.	2.6	3
4	Structural assignments of yttrium oxide cluster cations studied by ion mobility mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2022, , .	2.8	0
5	Time-of-flight mass spectrometry diagnostics in deep oscillation magnetron sputtering (DOMS) of titanium. <i>Journal of Applied Physics</i> , 2022, 131, .	2.5	4
6	Large Conformational Change in the Isomerization of Flexible Crown Ether Observed at Low Temperature. <i>Journal of Physical Chemistry A</i> , 2022, 126, 4359-4366.	2.5	3
7	Conformer Separation of Dibenzo-Crown-Ether Complexes with Na ⁺ and K ⁺ Ions Studied by Cryogenic Ion Mobility-Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2021, 125, 3718-3725.	2.5	7
8	Delayed Discharge Bridging Two Sputtering Modes from Modulated Pulsed Power Magnetron Sputtering (MPPMS) to Deep Oscillation Magnetron Sputtering (DOMS). <i>Plasma</i> , 2021, 4, 239-251.	1.8	4
9	Photofragment ion imaging in vibrational predissociation of the H ₂ O+Ar complex ion. <i>Journal of Chemical Physics</i> , 2021, 154, 174301.	3.0	2
10	Dependence of Optical Emission Spectra on Argon Gas Pressure during Modulated Pulsed Power Magnetron Sputtering (MPPMS). <i>Plasma</i> , 2021, 4, 269-280.	1.8	3
11	Visible photodissociation study of NO dimer cation using ion imaging technique combined with theoretical calculations. <i>Chemical Physics Letters</i> , 2020, 739, 137022.	2.6	2
12	Structures of Magnesium Oxide Cluster Cations Studied Using Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2020, 124, 101-107.	2.5	1
13	Conformation of K ⁺ (Crown Ether) Complexes Revealed by Ion Mobilityâ€•Mass Spectrometry and Ultraviolet Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9980-9990.	2.5	17
14	Sequential growth of iridium cluster anions based on simple cubic packing. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 17842-17846.	2.8	3
15	Structure Assignment and Separation of Isomers of Palladium Oxide Cluster Anions Studied by Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2020, 124, 9604-9610.	3.1	1
16	Long-distance proton transfer induced by a single ammonia molecule: ion mobility mass spectrometry of protonated benzocaine reacted with NH ₃ . <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 8164-8170.	2.8	16
17	Intramolecular Dispersion Attraction in Tetraalkylammonium Cations Revealed by Cryogenic Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2020, 124, 7999-8004.	2.5	10
18	Time-of-flight mass spectrometric diagnostics for ionized and neutral species in high-power pulsed magnetron sputtering of titanium. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SHHB05.	1.5	8

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19	Visible photodissociation of the CO ₂ dimer cation: fast and slow dissociation dynamics in the excited state. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3083-3091.	2.8	7
20	Geometrical Structures of Gas-Phase Cerium Oxide Cluster Cations Studied by Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16641-16650.	3.1	7
21	Compositions and Isomer Separation of Palladium Oxide Cluster Cations Studied by Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17580-17587.	3.1	9
22	Structural Evolution of Iridium Oxide Cluster Anions Ir _n O _m ⁺ (<i>n</i> = 5–8) with Sequential Oxidation: Binding Mode of O Atoms and Ir Framework. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15301-15306.	3.1	8
23	Structures of stable oxide cluster ions of first-row late transition metals: An ion mobility-mass spectrometric study. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
24	Small Carbon Nano-Onions: An Ion Mobility Mass Spectrometric Study. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5195-5200.	3.1	12
25	Correlation between Electronic Shell Structure and Inertness of Cu _n ⁺ toward O ₂ Adsorption at <i>n</i> = 15, 21, 41, and 49. <i>Journal of Physical Chemistry A</i> , 2018, 122, 2927-2932.	2.5	4
26	Stable Compositions and Structures of Copper Oxide Cluster Cations Cu _n O _m ⁺ (<i>n</i> = 2–8) Studied by Ion Mobility Mass Spectrometry. <i>ACS Omega</i> , 2018, 3, 18705-18713.	3.5	9
27	Ion Imaging of Mg ⁺ Photofragment in Ultraviolet Photodissociation of Mass-Selected Mg ⁺ CH ₃ Complex. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4948-4953.	2.5	6
28	Photofragment ion imaging from mass-selected Mg+BrCH ₃ complex: Dissociation mechanism following photoinduced charge transfer. <i>Journal of Chemical Physics</i> , 2017, 146, 024301.	3.0	9
29	Mass spectrometric study of N ₂ -adsorption on copper cluster cations formed by modulated pulsed power magnetron sputtering in aggregation cell. <i>Chemical Physics Letters</i> , 2017, 682, 60-63.	2.6	13
30	Compositions and structures of niobium oxide cluster ions, Nb _m O _n [±] , (<i>m</i> = 2–12), revealed by ion mobility mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 24903-24914.	2.8	21
31	Geometrical Structures of Gas Phase Chromium Oxide Cluster Anions Studied by Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2017, 121, 5605-5613.	2.5	20
32	Development of a linear-type double reflectron for focused imaging of photofragment ions from mass-selected complex ions. <i>Review of Scientific Instruments</i> , 2017, 88, 053105.	1.3	14
33	Anion photoelectron spectroscopy of free [Au ₂₅ (SC ₁₂ H ₂₅) ₁₈] ⁺ . <i>Nanoscale</i> , 2017, 9, 13409-13412.	5.6	35
34	Stable compositions and geometrical structures of titanium oxide cluster cations and anions studied by ion mobility mass spectrometry. <i>Journal of Chemical Physics</i> , 2016, 144, 194305.	3.0	16
35	Compositions and Structures of Vanadium Oxide Cluster Ions V _m O _n [±] (<i>m</i> = 2–20) Investigated by Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2016, 120, 3788-3796.	2.5	26
36	Structures of Vanadium Oxide Cluster Ions up to Nanometer Diameter Investigated by Ion Mobility Mass Spectrometry. <i>Bulletin of the Chemical Society of Japan</i> , 2016, 89, 1225-1229.	3.2	5

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37	Structures and CO-Adsorption Reactivities of Nickel Oxide Cluster Cations Studied by Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11014-11021.	3.1	26
38	Photofragment imaging from mass-selected ions using a reflectron mass spectrometer. II: Formation mechanism of MgF^+ in the photodissociation of $Mg+FCH_3$ complex. <i>Chemical Physics Letters</i> , 2015, 630, 57-61.	2.6	7
39	Photofragment imaging from mass-selected ions using a reflectron mass spectrometer I. Development of an apparatus and application to $Mg+Ar$ complex. <i>Chemical Physics Letters</i> , 2015, 630, 111-115.	2.6	15
40	Compact Non-Rock-Salt Structures in Sodium Fluoride Cluster Ions at Specific Sizes Revealed by Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2014, 118, 9970-9975.	2.5	12
41	Isomer Separation of Iron Oxide Cluster Cations by Ion Mobility Mass Spectrometry. <i>Journal of Physical Chemistry A</i> , 2014, 118, 3899-3905.	2.5	50
42	Application of Ion Mobility-Mass Spectrometry to the Study of Ionic Clusters. <i>Mass Spectrometry</i> , 2014, 3, S0043-S0043.	0.6	3
43	Structures of cobalt oxide cluster cations studied by ion mobility mass spectrometry. <i>Chemical Physics Letters</i> , 2013, 588, 63-67.	2.6	36
44	Vacuum Ultraviolet and Soft X-ray Photoelectron Spectroscopy of Liquid Beams Using a Hemispherical Photoelectron Spectrometer with a Multistage Differential Pumping System. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 1403-1410.	1.4	8
45	Anionic Polymerization Mechanism of Acrylonitrile Trimer Anions: Key Branching Point between Cyclization and Chain Propagation. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7937-7942.	2.5	5
46	3s Rydberg and Cationic States of Pyrazine Studied by Photoelectron Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2008, 112, 2293-2310.	2.5	37
47	Orientation of nitrous oxide on palladium(110) by STM. <i>Chemical Physics Letters</i> , 2005, 406, 474-478.	2.6	25
48	INTRACLUSTER ANIONIC POLYMERIZATION INDUCED BY ELECTRON TRANSFER FROM ALKALI METAL ATOM TO UNSATURATED HYDROCARBON MOLECULES. , 2005, , .		0
49	Intracluster cyclization reaction producing a benzene derivative: photoionization mass spectrometric study of alkali metal ϵ methyl propiolate clusters. <i>International Journal of Mass Spectrometry</i> , 2004, 232, 41-50.	1.5	2
50	Fermi resonance interaction in hetero-dimer and trimer ions containing aniline $^+$. <i>Chemical Physics Letters</i> , 2003, 373, 568-574.	2.6	4
51	Photodissociation of $Mg(CH_2=CHCN)_n^+$: Excited electronic states of $n=1$ and 2 and intracluster electron transfer for $n=3$ and 4. <i>Journal of Chemical Physics</i> , 2003, 118, 5456-5464.	3.0	8
52	Intracluster multiple trimeric cyclization of acrylonitrile clusters initiated by electron transfer from a potassium atom: Size-dependent pathways in metastable dissociation of $K^+(CH_2=CHCN)_n$ photoions. <i>Journal of Chemical Physics</i> , 2002, 117, 5209-5220.	3.0	21
53	Photoionization mass spectroscopy of clusters of alkali metal atoms with methyl vinyl ketone and acrolein: intracluster oligomerization initiated by electron transfer from a metal atom. <i>International Journal of Mass Spectrometry</i> , 2002, 216, 29-40.	1.5	6
54	Intracluster Anionic Oligomerization of Acrylic Ester Molecules Initiated by Electron Transfer from an Alkali Metal Atom. <i>Journal of the American Chemical Society</i> , 2001, 123, 683-690.	13.7	12

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55	Intracluster Electron Transfer and Reactions in Alkali Metal ⁺ Methacrylate Clusters. <i>Journal of Physical Chemistry A</i> , 2001, 105, 9649-9658.	2.5	5
56	Photoionization and density functional theory study of clusters of acetone containing an alkali metal atom, M((CH ₃) ₂ CO) _n (M=Li, Na): intracluster electron transfer from metal to acetone in 1:1 complexes. <i>Chemical Physics Letters</i> , 2000, 316, 442-448.	2.6	12
57	Anionic Oligomerization of Acrylonitrile Molecules Initiated by Intracluster Electron Transfer from Alkali Metal Atoms: Photoionization Mass Spectrometry of M(CH ₂ CHCN) _n (M = Li, Na, and K). <i>Journal of Physical Chemistry A</i> , 2000, 104, 765-770.	2.5	10
58	Penning ionization of vinyl chloride and vinyl iodide by collision with He*(2 ³ S) metastable atoms. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1999, 104, 145-154.	1.7	16
59	Photoionization and density functional study of clusters of alkali metal atoms solvated with acetonitrile molecules, M(CH ₃ CN) (M=Li and Na). <i>Chemical Physics Letters</i> , 1999, 301, 356-364.	2.6	26
60	Effect of HOMO Levels on Chemiionization of Substituted Ethylenes by Metastable Helium Atoms. <i>Chemistry Letters</i> , 1997, 26, 269-270.	1.3	12